

CLAIMS

What is claimed is:

1. An interactive learning computer system for a teacher and a plurality of students, comprising:
 - a teaching computer for executing at least one interactive learning software program and outputting graphical information to the teacher and the plurality of students, the interactive learning software being able to accept a plurality of operation instructions;
 - a plurality of operational devices for use by the plurality of students and outputting operational instructions to the teaching computer to use the interactive learning software program, wherein each operational device has a unique ID code, and the operational instruction is output with one ID code so that the teaching computer is capable of identifying each operational device; and
 - a portable computer for use by the teacher, the portable computer capable of executing an interactive control software program to output a control instruction to the teaching computer so that the interactive learning software selectively accepts the operating instruction from the operational device.

2. The interactive learning computer system as claimed in claim 1 wherein the teacher can use the interactive control software program to specify controllable operational instructions for each operational device so that the interactive learning software selectively accepts the operating instruction from the operational device.
3. The interactive learning computer system as claimed in claim 1 wherein the teacher can use the interactive control software program to specify one operational device to process the interactive learning software program so that the interactive learning software is only used by the specified operational device.
4. The interactive learning computer system as claimed in claim 1 wherein the teacher can randomly select at least one operational device by using the interactive control software program to process the interactive learning software program so that the interactive learning software program is only used by the selected operational device.
5. The interactive learning computer system as claimed in claim 1 wherein the teacher can select a "competitive" option by using the interactive control software program to process the interactive learning software program so that the interactive learning software program is only used by the first or the first few operational devices.

6. The interactive learning computer system as claimed in claim 1 further comprising a connection device so that the output operational instruction from the plurality of operational devices is sent to the teaching computer via the connection device.
- 5 7. The interactive learning computer system as claimed in claim 6 wherein the plurality of operational devices are connected to the connection device via cables, and the connection device is also connected to the teaching computer via a cable.
- 10 8. The interactive learning computer system as claimed in claim 6 wherein the control instruction output by the portable computer is first sent to the connection device and then to the teaching computer.
- 15 9. The interactive learning computer system as claimed in claim 6 wherein the control instruction output by the portable computer is sent to the connection device in a wireless manner.
- 20 10. The interactive learning computer system as claimed in claim 1 wherein the teacher can also use the portable computer to output an operational instruction to the teaching computer to use the interactive learning software program.
- 25 11. A computer readable medium storing an interactive learning software program, the interactive learning software program being usable by a plurality of students, the plurality of students using different operational devices to output a control instruction to use the interactive learning software program, wherein each operational device has a unique ID code that is

output with the control instruction, the computer readable medium storing:

an operational instruction status list for recording the acceptable operational instructions sent by particular ID codes;

5 program code for changing the operational instruction status list; and

program code for deciding which operational instruction with the ID code should be executed by checking the operational instruction status list.

10 12. The computer readable medium as claimed in claim 11 wherein the operational instruction status list sorts a plurality of operational instructions into a plurality of operational instruction groups, each operational instruction group comprising at least one operational instructions, and the
15 operational instruction status list records the acceptable operational instructions sent by acceptable ID codes for each operational instruction group.